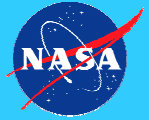




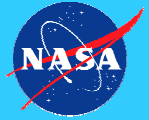
Southern Illinois University





## ***History and Highlights***

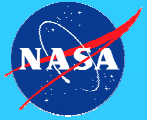
- Began in 1994 to commemorate the 25th Anniversary of the Apollo 11 lunar landing
- High school/College students design, build and race vehicles that address engineering problems based on the original Lunar Rover, which was designed at NASA/MSFC
- 10th Annual Race in 2003 saw 68 registered student designed vehicles from 17 states (ranging from New York to California, North Dakota to Louisiana) and Puerto Rico
- 1<sup>st</sup> place University receives cash prize/KSC visit
- 1<sup>st</sup> place High School receives Space Camp Weekend at U.S. Space & Rocket Center



## **“The Great Moonbuggy Race” Objectives**

In support of the NASA Strategic Plan, NASA’s Marshall Space Flight Center seeks to involve the educational community in our endeavors to inspire America's students, create learning opportunities, and enlighten inquisitive minds. Through “The Great Moonbuggy Race” we seek to provide excellence in America's educational system by:

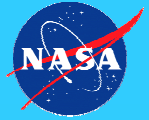
- Inspiring students through experiences and exposure to NASA’s mission in science, technology, engineering and mathematics (STEM).
- Supporting America’s teachers and faculty by utilizing the NASA mission and resources



## **Memorable Great Moonbuggy Race Stories**

**The core purpose of the event is to challenge students; its success is measured by their efforts to meet that challenge. Here are but two stories from previous races:**

- University of Tennessee, Knoxville: As they approached a 180° turn the UT team pushed to maintain their speed (1st and 2nd place were separated by only 4 sec.), but lost control and crashed into an earthen bank, breaking both front wheels. They pulled their broken buggy, wheelbarrow style, back to the pits, repaired the damaged wheels, and ran the second heat fast enough to win third place out of a field of 19 teams.
- Eastlake High School, Chula Vista, California: Having traveled from the west coast for the race, the Eastlake High School was nearing the end of their second heat when their buggy broke in two. The front half, designed as a tricycle, continued to the finish line as the student from the back half ran it down and jumped aboard. Although that run was disqualified, their first run won them 3rd place.



Race Website:  
<http://moonbuggy.msfc.nasa.gov>

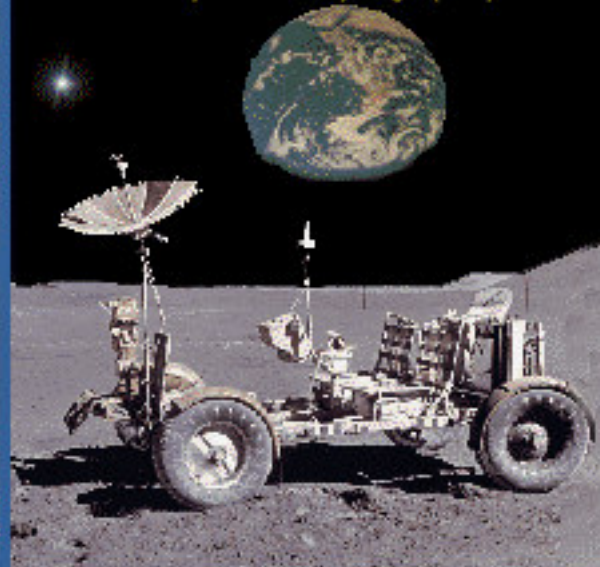
# The Great Moonbuggy Race



2004 Race, April 2-3,  
Huntsville, Alabama

2003 College Winner:  
North Dakota State

2003 High School Winner:  
Lafayette County High (MO)



THE COMPETITION

THE RULES

THE COURSE

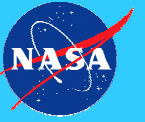
REGISTRATION

FOOD, SHELTER, AND TRAVEL

COMPETITOR LIST

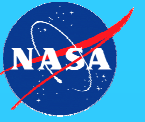
PRESS INFORMATION

"REAL ROVERS"



# **The Great Moonbuggy Race Sponsors**

- **NASA Marshall Space Flight Center**
- **U.S. Space & Rocket Center**
- **American Institute of Aeronautics and Astronautics**
- **WHNT Channel 19**
- **The Alabama Aerospace Development Center**
- **Morgan Research**
- **Sverdrup**



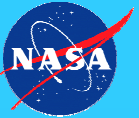
# **NASA**

## ***Marshall Space Flight Center***

**Students design, build and race a buggy which is human-powered by two team members, one female and one male, over a terrain of about one mile through a specially built obstacle course.**

**As you review the pictures on the following pages notice the faces of the students and spectators - the concentration, the excitement and the effort, and notice the range of buggy designs - no two machines are alike. The quality of effort that these students give is remarkable.**





# The Great Moonbuggy Race Attracts Major Media Coverage Annually

[MAIN PAGE](#)[WORLD](#)[U.S.](#)[LOCAL](#)[POLITICS](#)[WEATHER](#)[BUSINESS](#)[SPORTS](#)[SCI-TECH](#)[computing](#)[personal technology](#)[space](#)[NATURE](#)[ENTERTAINMENT](#)[BOOKS](#)[TRAVEL](#)[FOOD](#)[HEALTH](#)[STYLE](#)[IN-DEPTH](#)[sci-tech](#) > [space](#) > story page

## Student moon buggies make tracks at Marshall

April 19, 1999

Web posted at: 1:10 p.m. EDT (1710 GMT)

HUNTSVILLE, Alabama -- When the "moon dust" had settled Saturday, teams from Pittsburg State University in Pittsburg, Kansas, and Graff Career Center in Springfield, Missouri, were winners in the sixth Annual "Great Moonbuggy Race" in Huntsville, Alabama.

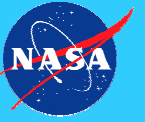
The Pittsburg State number 4 team, winner in the college division, will receive a trip to NASA's Kennedy

### The Sixth Annual Great Moon Buggy Race



Students from Eastlake High School in Chula Vista, California, use leg power to negotiate the course

(NASA)



# **NASA/MSFC**

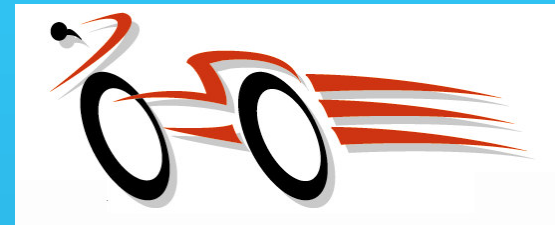
## **Education Programs Department**

### **Higher Education Programs**

**Durlean Bradford**

256.961.7878

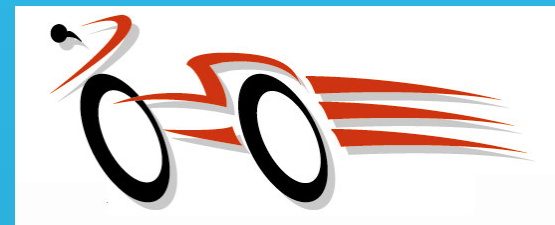
[durlean.bradford@msfc.nasa.gov](mailto:durlean.bradford@msfc.nasa.gov)

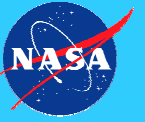


**Frank Brannon**

205.655.2937

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***NASA Marshall's  
Great Moonbuggy Race  
SEE YOU IN 2004!***